

METHOD FOR ADAPTING QUANTIZATION IN VIDEO CODING USING
FACE DETECTION AND VISUAL ECCENTRICITY WEIGHTING

5

ABSTRACT

A system encodes video by detecting the location of a facial region of a frame of the video. Sensitivity information is calculated for each of a plurality of locations within the video based upon the location of the 10 facial region. The frame is encoded in manner that provides a substantially uniform apparent quality of the plurality of locations to the viewer when the viewer is observing the facial region of the video.

1000 900 800 700 600 500 400 300 200 100 0